



TSE 7522
Digital Scout Frequency Detector

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DESCRIPTION

The Digital Scout RF frequency detector / field strength meter is a near field measurement instrument that captures digital, as well as analog signals, from 10MHz -2.6GHz. Until now, the only signals that frequency counters could lock onto were analog signals. In addition to locking onto digital and analog signals, the Digital Scout has a calibrated signal strength measurement from -45dBm to -5dBm.

USAGE

One can use the Digital Scout in all places where unknown near field RF-signals must be captured, localized and examined regarding their frequencies.

The Digital Scout is capable of detecting many different types of digital modulations that have a minimum pulse width of 500mS; signals such as TDMA, GSM, APCO 25, ON/OFF Keying, TETRA and more.

The Digital Scout is not capable of counting signals such as Spread Spectrum, CDMA and PCS.

FEATURES

- 10MHz - 2.6GHz frequency range
- 5-6 hour battery operation
- 2x16 alphanumeric LCD with EL backlight
- Signal Strength reading displayed in dBm and barograph –
- 45dBm to -5dBm
- +/- 5dBm signal strength accuracy
- Download memory to a PC using the optional Optolinx interface
- Reaction Tune analog signals with ICOM IC R10, R7000, R7100, R8500 and R9000. AOR AR8000 and AR8200. Optoelectronics Optocom, OS456/Lite, OS535 and R11.BC245XLT and BC780 (SmartLink cable required)
- 1000 memories with 65,000 hits per memory
- Captures both Digital (Minimum 500mS RF pulse required) and analog signals
- Beeper and Vibrator alert
- Super Sensitive, down to 700uV in some bands



TECHNICAL DATA

Frequency Range:	10MHz to 2.6GHz
Resolution:	1kHz and 100Hz
Frequency Accuracy:	1ppm
Signal Strength:	-45dBm to -5dBm
Signal Accuracy:	+/- 5dBm
Display:	2x16 alphanumeric LCD with EL backlight
Power:	9 VDC, 150mA using model AC90 wall Plug adapter.
Size (H x W x D):	5.25" x 3" x 1.5"
Weight:	12 oz



If you would like further Information about ELAMAN,
or would like to discuss a specific requirement or project, please contact us at:

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